**Ecosystem Bottle Report**

**Introduction**

**Day 1 (Wed April 29): Set-up**

What did you put in each ecosystem? Please provide approximate amounts

What was the structural set-up? How were the ecosystems connected?

**Experiment/Data**

**Day 3 (Fri May 1): Observation and precipitation**

What where your observations? Include pictures with captions!

Put in data table please! Example below. Can do in another format but should be organized.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Aquatic | Decomposition | Terrestrial | Overall |
| Day 3 | Shrimp alive  Plant still green | Mold growing on banana | New bloom on flower | Condensation on all the cans |

What precipitation, include amount, did you add?

Did you add/modify anything else? If so, please describe.

**Day 6 (Mon May 2):** **Observation and precipitation**

What where your observations (data table please!)? Include pictures with captions!

What precipitation, include amount, did you add?

Did you add/modify anything else? If so, please describe.

**Day 7 (Tues May 5): Water testing**

What were the results of the water testing?

What do the results suggest about the aquatic ecosystem?

What about the effects of the precipitation events or other ecosystems?

**Analysis and Conclusion**

* What were the variables that could affect each of your ecosystems (talk about each ecosystem individually)?
* Often when one does a lab in high school you are asked to come a conclusion by comparing your hypothesis with the data collected. How were ecosystems bottles different than a traditional lab? Why can’t you know for sure what caused any changes (or lack thereof)?
* If you were tasked to again do this simulation what specific factors would you change and why? Give scientific reasoning (not just because it would be prettier or something superficial like that). What factors would be helpful to get a specific measurement for (i.e., temperature)? Why?